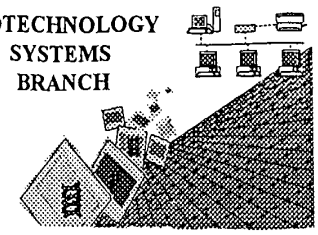
1635 #2: 7-30-02 JE

BIOTECHNOLOGY SYSTEMS BRANCH



RAW SEQUENCE LISTING ERROR REPORT

RECEIVED
JUL 2 6 2002
TECH CENTER 1600/2900

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/155,708A
Source: 1600
Date Processed by STIC: 7/19/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.
PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:
1) **INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,**
2) **TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY**

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.
PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)
PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO **REDUCE** ERRORED SEQUENCE LISTINGS, **PLEASE** USE THE **CHECKER VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:
http://www.uspto.gov/web/offices/pac/checker

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.
Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.
Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<**http://www.uspto.gov/ebc/efs/downloads/documents.htm**>, **EFS Submission User Manual** - ePAVE)
2. **U.S. Postal Service:** U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202
3. **Hand Carry directly to:**
 U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name, Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202
 Or
 U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. **Federal Express, United Parcel Service, or other delivery service to:** U.S. Patent and Trademark Office, Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 01/29/2002

BEST AVAILABLE COPY

RECEIVED
JUL 2 6 2002
TECH CENTER 1600/2900



1600

RAW SEQUENCE LISTING DATE: 07/19/2002
PATENT APPLICATION: US/09/155,708A TIME: 13:36:24

Input Set : A:\MUR-003.ST25.txt
Output Set: N:\CRF3\07192002\I155708A.raw

pp. 2,6-7

Does Not Comply
Corrected Diskette Needed

```
     3 <110> APPLICANT: Farrar, Jane
     4       Humphries, Peter
     5       Kenna, Paul
     7 <120> TITLE OF INVENTION: Genetic Suppression and Replacement
     9 <130> FILE REFERENCE: MUR-003
    11 <140> CURRENT APPLICATION NUMBER: US 09/155,708A
    12 <141> CURRENT FILING DATE: 1999-04-05
    14 <150> PRIOR APPLICATION NUMBER: PCT/GB97/00929
    15 <151> PRIOR FILING DATE: 1997-04-02
    17 <160> NUMBER OF SEQ ID NOS: 28
    19 <170> SOFTWARE: PatentIn version 3.0
    21 <210> SEQ ID NO: 1
    22 <211> LENGTH: 617
    23 <212> TYPE: DNA
    24 <213> ORGANISM: mammalian
    26 <220> FEATURE:
W--> 27 <221> NAME/KEY: n
    28 <222> LOCATION: (1)..(617)
    29 <223> OTHER INFORMATION: any
    31 <400> SEQUENCE: 1
W--> 32 tcccttntgn tagattgcan nncccaataa aanaaggncc cgcttaaagg cttatcgaaa   60
W--> 34 ttaatacgac tcactatang gagacccaag cttagagtca tccagctgga gccctgagtg  120
    36 gctgagctca ggccttcgca gcattcttgg gtgggagcag ccacgggtca gccacaaggg  180
    38 ccacagccat gaatggcaca gaaggcccta acttctacgt gcccttctcc aatgcgacgg  240
    40 gtgtggtacg cagccccttc gagtacccac agtactacct ggctgagcca tggcagttct  300
    42 ccatgctggc cgcctacatg tttctgctga tcgtgctggg cttccccatc aacttcctca  360
    44 cgctctacgt caccgtccag cacaagaagc tgcgcacgcc tctcaactac atcctggctc  420
W--> 46 aacctagccg tggctgaact cttcatggtc ctangtggct tcaccagcac ctctacanct  480
W--> 48 ctctgcatgg atactcgtct tcgggcccac aggatgcaat tgganggctc tttgcacctg  540
W--> 50 gngggaaatt gcctgtggtc ctngtggtcn ggncaccaac gtactggtng tgtntanccc  600
    52 agaacaactc cgctccc                                               617
    54 <210> SEQ ID NO: 2
    55 <211> LENGTH: 639
    56 <212> TYPE: DNA
    57 <213> ORGANISM: mammalian
    59 <220> FEATURE:
W--> 60 <221> NAME/KEY: n
    61 <222> LOCATION: (1)..(639)
    62 <223> OTHER INFORMATION: any
    64 <220> FEATURE:
    65 <221> NAME/KEY: misc_feature
    66 <223> OTHER INFORMATION: C to G change at position 271
    68 <400> SEQUENCE: 2
```

RAW SEQUENCE LISTING DATE: 07/19/2002
PATENT APPLICATION: US/09/155,708A TIME: 13:36:24

Input Set : A:\MUR-003.ST25.txt
Output Set: N:\CRF3\07192002\I155708A.raw

W--> 69 ggnnnnttgg gtcgcgcatt naagaactca nggncccgca gcattcttgg gtgggagcag 60
W--> 71 ctacgggtca gccacaaggg ccacagccat gaatggcaca gaangcccta acttctacgt 120
73 gcccttctcc aatgcgacgg gtgtggtacg cagcccttc gagtacccac agtactacct 180
75 ggctgagcca tggcagttct ccatgctggc cgcctacatg tttctgctga tcgtgctggg 240
77 cttccccatc aacttcctca cgctctacgt gaccgtccag cacaagaagc tgcgcacgcc 300
W--> 79 tctcaactac atcctgctca acctanccgt ggntgaactc ttcatggtcc taggtggctt 360
W--> 81 caccancaac ctctanacct ctctgcatgg anacttcntc ttccggccca caggatgcaa 420
W--> 83 tttggaaggn ttcctttaac acccgggggg ggaaaattgc ctgtggtcct tggtggtccg 480
W--> 85 gncancnaac ggtacttgtg gtntttaanc cataaacaat tccgcttcgg gaaaaacatg 540
W--> 87 ccancntggg gtttccttca ctnggttang ggcnggctgc ccccacccca atcccnggtn 600
W--> 89 gtcaantaat cccaagggcn nantgncntt ttaaacaaa 639
91 <210> SEQ ID NO: 3
92 <211> LENGTH: 686
93 <212> TYPE: DNA
94 <213> ORGANISM: mammalian
96 <220> FEATURE:
W--> 97 <221> NAME/KEY: n
98 <222> LOCATION: (1)..(686)
100 <220> FEATURE:
101 <221> NAME/KEY: misc_feature
102 <223> OTHER INFORMATION: CCC to CTC change at 216-218
104 <400> SEQUENCE: 3
W--> 105 nnnttagggn cggatgtcna tataagcaga nctctctggg ctaactaana agaacccact 60
107 ggcttactgg cttatcgaaa ttaatacgac tcactatagg gagacccaag cttccggaaa 120
109 gcctgagctc agccacaagg gccacagcca tgaatggcac agaaagccct aacttctacg 180
111 tgcccttctc caatgcgacg ggtgtggtac gcagcctctt cgagtaccca cagtactacc 240
113 tggctgagcc atggcagttc tccatgctgg ccgcctacat gtttctgctg atcgtgctgg 300
115 gcttccccat caacttcctc acgctctacg tcaccgtcca gcacaagaag ctgcgcacgc 360
W--> 117 ctctcaacta catcctgctc aacctanccg tggctgaact cttcatggtc ctangtggct 420
W--> 119 tcaccancac cctctacacc tctctgcatg gatacttcgt cttccgggcc acaggatgca 480
W--> 121 atttggaagg cttctttgca ncctgggncg ggaaattgcc tgtngtcctg gtggtcctgg 540
W--> 123 ccatcaacng tacttgttgt ntnttaccca tnaacaattc cgctccggga aaacatgcac 600
W--> 125 atgggnttgc ctcactnggt ctggggcngg cnccccaccc caccccggt ggtcanttat 660
W--> 127 cccanggcgn aatgcctttn annaaa 686
129 <210> SEQ ID NO: 4
130 <211> LENGTH: 787
131 <212> TYPE: DNA
132 <213> ORGANISM: mammalian
134 <220> FEATURE:
W--> 135 <221> NAME/KEY: n
136 <222> LOCATION: (1)..(787)
137 <223> OTHER INFORMATION: any
139 <400> SEQUENCE: 4
W--> 140 cngcncgttg aaatataagc agaccctctg gntaactana ataaccactg cttactggct 60
W--> 142 tatcgaaatt aatacgactc actatangga gaccaagctt ggtcggtctg atgagtccgt 120
W--> 144 gaggacgaaa cgtagagtct anagggccct attctatagt gtcacctaaa tgctaganct 180
146 cgctgatcag cctcgactgt gccttctagt tgccagccat ctgttgtttg cccctccccc 240
W--> 148 gtgccttcct tgancctgga aggtgccact cccactgtcc tttcctaata aaatgagnaa 300
W--> 150 ttgcntctca ttgtctgagt agtgtcatcc aatctggggg tgggtggggc agnacacnag 360

no explanation of what "n's" represent (see p. 6)

RAW SEQUENCE LISTING DATE: 07/19/2002
PATENT APPLICATION: US/09/155,708A TIME: 13:36:24

Input Set : A:\MUR-003.ST25.txt
Output Set: N:\CRF3\07192002\I155708A.raw

W--> 152 gggaagatgg gaaaacatac aggcatgctg gggangccgt ggntctatgn ctcngaggcg 420
W--> 154 aaaaaacact ggggnctagg ggtaccccac cccctgtacg gccataacnc gnggtttgtg 480
W--> 156 gtacccacta acgtanntgc accctacccg ncttcnttct cctcttncca tttccggttc 540
W--> 158 cctcaccnaa cgggccttng tcatatctng gnccaccaaa tanagtagtc tttgccccca 600
W--> 160 aagtccctna tgacctntaa gaccttcann ancccccctt ntttnaaana nccnnnnnnn 660
W--> 162 nnnnannnnc cngnaaaaan aacaactaat tttgggaacc ccccccnana aacccttccc 720
W--> 164 ntnttccccc natttaatnt tnnnntnccc cccccccccc ccccnntttt tnncnccccn 780
W--> 166 nnannng 787

168 <210> SEQ ID NO: 5
169 <211> LENGTH: 665
170 <212> TYPE: DNA
171 <213> ORGANISM: mammalian
173 <220> FEATURE:
W--> 174 <221> NAME/KEY: n
175 <222> LOCATION: (1)..(665)
176 <223> OTHER INFORMATION: any
178 <400> SEQUENCE: 5

W--> 179 nnccccgccc ntttnaaana anccnagcct ctggcnaact ananaaccac tgcttactgg 60
W--> 181 cttatcnaaa ttaatacgac tcactatagg gagacccaag ctttactcga actgatgagt 120
W--> 183 ccgtgaggac gaaaggctgc tctananggc cctattctat antgtcacct aaatgctaga 180
185 gctcgctgat cagcctcgac tgtgccttct aattgccagc catctgttgt ttgcccctcc 240
187 cccgtgcctt ccttgaccct ggaaggtgcc actcccactg tcctttccta ataaaatgaa 300
W--> 189 gatnttncat cncattgtct gagtaagtgt cattctattc tggggggtgg ggtggggcac 360
W--> 191 gacancaang gggaagattg ggaaaaaata ncaggcntgc tggggatncc gtgggctcta 420
W--> 193 tngcttctga agcggaaaaa acaactgggg ctctangggg tatccccccc cccctgtaac 480
W--> 195 gngcattaaa cncgggggtg ttgtggttac cccaacttaa cgctancttg caacgcccna 540
W--> 197 acgccccncc tttcctttct cccttccttc ncccactttc cgggttcccn tcaacccnaa 600
W--> 199 tcggggcccc ttaggtccaa ttatgcttcg gccccncccn aaactaatag gtnggttctt 660
W--> 201 tngcc 665

204 <210> SEQ ID NO: 6
205 <211> LENGTH: 624
206 <212> TYPE: DNA
207 <213> ORGANISM: mammalian
209 <220> FEATURE:
W--> 210 <221> NAME/KEY: n
211 <222> LOCATION: (1)..(624)
212 <223> OTHER INFORMATION: any
214 <400> SEQUENCE: 6

W--> 215 nnnnctttnct tanngcttgg taccganctc ggatccacta gtnaacggcc gccagtgtgc 60
W--> 217 tggaaattcc cagaggnact ctggggcaga caagatgaga cacccttcc tttctttacc 120
219 taagggcctc cacccgatgt caccttggcc cctctgcaag ccaattaggc cccggtggca 180
221 gcagtgggat tagcgttagt atgatatctc gcggatgctg aatcagcctc tggcttaggg 240
223 agagaaggtc actttataag ggtctggggg gggtcagtgc ctggagttgc gctgtgggag 300
W--> 225 ccgtcagtgg ctgagctcgc caagcagcct tggtctctgt ctacgaaaan cccgtggggc 360
W--> 227 agcctcnana accgcagcca tgaacggcac agaaggcccc aatttttatg tgcccttctc 420
W--> 229 caacgtcaca ngcgtggtgc ggaacccctt cnancanccg cagtactacc tggcggaacc 480
W--> 231 atggcagttc tccatgctgg cancgtacat gtcctgctca tcgtgctggg nttcccatca 540
W--> 233 actcctcacg ctctagttca ccgtaaanna naaaaaactg cgcaacccct caactaaatc 600
235 ctgctcaatt gggcgtgggt gaac 624

RAW SEQUENCE LISTING DATE: 07/19/2002
PATENT APPLICATION: US/09/155,708A TIME: 13:36:24

Input Set : A:\MUR-003.ST25.txt
Output Set: N:\CRF3\07192002\I155708A.raw

237 <210> SEQ ID NO: 7
238 <211> LENGTH: 630
239 <212> TYPE: DNA
240 <213> ORGANISM: mammalian
242 <220> FEATURE:
W--> 243 <221> NAME/KEY: n
244 <222> LOCATION: (1)..(630)
245 <223> OTHER INFORMATION: any
247 <220> FEATURE:
248 <221> NAME/KEY: misc_feature
249 <223> OTHER INFORMATION: TTT to TCT transversion at position 189-191
251 <400> SEQUENCE: 7
W--> 252 nnnntcttcc nctttcgttt gttgnanant cannaaanan aggcgncccg gaaggtgtca 60
W--> 254 gtgcctggag ttgcgctgtg ggacccgtca ntggctgagc tcgccaagca gccttggtct 120
256 ctgtctacga agagcccgtg gggcagcctc gagagccgca gccatgaacg gcacagaggg 180
W--> 258 ccccaatttc tatgtgccct tctccaacgt cacaggcgtg gtgcggagcc ccttcgancn 240
260 tccgcagtac tacctggcgg aaccatggca gttctccatg ctggcagcgt acatgttcct 300
262 gctcatcgtg ctgggcttcc ccatcaactt cctcacgctc tacgtcaccg tacagcacaa 360
W--> 264 gaagctgcgc acacccccctc aactacatcc tggctcaact tgggccgntg ggnttggaac 420
W--> 266 ctccttccca ttgggtcntt cccggaangg antncaccaa ccacccctct aacacatcaa 480
W--> 268 ctcccatggg ctacttcgtt cttttggggc ccncaggctg ttaatctcga agggcttctt 540
W--> 270 tgccacacct tggaagtgaa atcncctgt ggttccctgg tggtcntggc cattaacgct 600
272 acttgtggtc ctgcaaccca ataacaattc 630
275 <210> SEQ ID NO: 8
276 <211> LENGTH: 649
277 <212> TYPE: DNA
278 <213> ORGANISM: mammalian
280 <220> FEATURE:
W--> 281 <221> NAME/KEY: n
282 <222> LOCATION: (1)..(649)
283 <223> OTHER INFORMATION: any
285 <400> SEQUENCE: 8
W--> 286 tcccctnntt tttgtagcnc tgccaanaaa aaaggccagc tcacaggana antananaac 60
W--> 288 ccactgctta ctggcttanc naaattaata cgactcacta tagggagacc caagcttggc 120
290 acatctgatg agtccgtgag gacgaaaaaa ttggtctaca gggccctatt ctataatgtc 180
W--> 292 acctaaatgc tanagctcgc tgatcatcct cnactgtgcc ttctacttgc cagccntctn 240
294 ttgtttgccc ctcccccgtg ccttccttga ccctggaagg tgccactccc actgtccttt 300
296 cctaataaaa tgaggaaatt gcatcgcatt gtctgagtaa gtgtcattct attctggggg 360
W--> 298 gtggggtggg gcaggacnnc aaaggggaag attgggaaat acaatancca aggancnctc 420
W--> 300 ccccngggta attgcggatt nggctctntc gcttccttaa ggcngaaana aacaactngg 480
W--> 302 gcgctncggg gtttcccccn cccncccctnt tagcngcgca ttantcgccg cgggtgttgt 540
W--> 304 tgttactccc cacctnaacg ctacanttgc cagcgcctaa cgcccccccct tnctnttctt 600
W--> 306 ccctcctttc tcncacttcc ccggctttcc ccnccaancc naaatcngg 649
308 <210> SEQ ID NO: 9
309 <211> LENGTH: 681
310 <212> TYPE: DNA
311 <213> ORGANISM: mammalian
313 <220> FEATURE:
W--> 314 <221> NAME/KEY: n

RAW SEQUENCE LISTING DATE: 07/19/2002
PATENT APPLICATION: US/09/155,708A TIME: 13:36:24

Input Set : A:\MUR-003.ST25.txt
Output Set: N:\CRF3\07192002\I155708A.raw

```
     315 <222> LOCATION: (1)..(681)
     316 <223> OTHER INFORMATION: any
     318 <400> SEQUENCE: 9
W--> 319 nnttgttggt ncagtnggat gtctatataa gcagagnctc tggctaacta gnagaaccca   60
     321 ctgcttactg gcttatcgaa attaatacga ctcactatag ggagacccaa gcttggtacc  120
W--> 323 gagctcngat ccactagtaa cggccgccag tgtgctggaa ttcttcagcg cccacgacca  180
     325 gtgactatcc cctgctcaag ctgtgattcc gagacccctg ccaccactac tgcattcacg  240
W--> 327 ggggatccca ngctaatggg actcgacatg ggttgccccc acggcanctc cctacanctt  300
W--> 329 gggccanctn cacttttccc aaagncctaa atctccgcct ctcggctcnt taangttngg  360
W--> 331 ggtggganc tgtgctgtgg gaaacaaccc agaananact tgggcagcat ggngctactg  420
W--> 333 aaagtncatt ttgaacagaa naaacggtcc antttggccc aaggnncnng ntcctaaant  480
W--> 335 ggttctccnt ntttggtngn ntccncnctt tccncctngg aatgttcctg aaaaattnaa  540
W--> 337 cnccaaaaaa gaacaaattg aaaaatantt ctnaaaaccc ttttgttncc ccccccccna  600
W--> 339 aaagggaagg ggnnggnncc tttttnttcc ccccccgggg ggggaaaatt ttnnnnaanc  660
W--> 341 cccccccccc ccnttttttn a                                           681
     344 <210> SEQ ID NO: 10
     345 <211> LENGTH: 612
     346 <212> TYPE: DNA
     347 <213> ORGANISM: mammalian
     349 <220> FEATURE:
W--> 350 <221> NAME/KEY: n
     351 <222> LOCATION: (1)..(612)
     352 <223> OTHER INFORMATION: any
     354 <400> SEQUENCE: 10
W--> 355 ttatacnaca cactatangg agaccaagct tggtaccgag ctcggatcca ctagtaacgg   60
W--> 357 ccgccagtgt gctggaattc ttcancgccc aggaccagga ctatcccctg ctcaagctgt  120
W--> 359 gattccgaga cccctgccac cactactgca ttcacggggg atcccaggct agtgggacnc  180
     361 gacatgggta tcccccaggg cagctcccta cagcttgggc catctgcact tttcccaagg  240
W--> 363 ccctaagtct ccgcctctgg gctcgttaan gtntggggtg ggagctgtgc tgtgggaaac  300
W--> 365 aacccggact acacttggca agcatggcgc tgctgaaagt caagtttgaa cagaaaaaan  360
W--> 367 gggtcaagtt ggcccaaggg ctctggctca gggaaactgg gttncccncc nngttttngg  420
W--> 369 tttggntgca tcanctncca aaaanannnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  480
W--> 371 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  540
W--> 373 nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn nnnnnnnnnn  600
W--> 375 nnnnnnnnnn nn                                                     612
     377 <210> SEQ ID NO: 11
     378 <211> LENGTH: 20
     379 <212> TYPE: DNA
     380 <213> ORGANISM: Artificial sequence
     382 <220> FEATURE:
     383 <221> NAME/KEY: misc_feature
     384 <223> OTHER INFORMATION: Forward mutation primer
     386 <400> SEQUENCE: 11
     387 catggcgctg ctgaaagtca                                              20
     390 <210> SEQ ID NO: 12
     391 <211> LENGTH: 20
     392 <212> TYPE: DNA
     393 <213> ORGANISM: Artificial sequence
     395 <220> FEATURE:
```

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/19/2002
PATENT APPLICATION: US/09/155,708A TIME: 13:36:25

Input Set : A:\MUR-003.ST25.txt
Output Set: N:\CRF3\07192002\I155708A.raw

Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 7,10,20,21,22,33,38,79,454,478,525,542,563,570,573,589,594
Seq#:1; N Pos. 597
Seq#:2; N Pos. 3,4,5,6,21,31,34,104,326,333,366,376,392,398,430,482,485,487
Seq#:2; N Pos. 503,509,544,546,563,569,574,596,600,606,620,621,623,626,628
Seq#:3; N Pos. 1,2,3,10,19,31,49,387,414,427,501,508,524,549,561,563,572
Seq#:3; N Pos. 606,617,628,632,656,665,670,680,682,683
Seq#:4; N Pos. 2,5,32,39,87,142,178,254,298,305,353,358,395,403,410,414,435
Seq#:4; N Pos. 469,472,496,497,511,516,527,548,559,569,572,583,609,617,629
Seq#:4; N Pos. 630,632,641,645,649,651,654,655,656,657,658,659,660,661,662
Seq#:4; N Pos. 663,664,666,667,668,669,672,674,680,707,709,721,723,731,739
Seq#:4; N Pos. 742,743,744,745,747,765,766,772,773,775,780,781,782,784,785
Seq#:4; N Pos. 786
Seq#:5; N Pos. 1,2,11,15,19,22,25,36,42,44,67,145,147,162,304,307,312,365
Seq#:5; N Pos. 369,391,397,408,422,456,482,492,526,539,548,571,590,598,636
Seq#:5; N Pos. 640,653,662
Seq#:6; N Pos. 1,2,3,4,8,13,14,27,43,77,350,367,369,431,452,454,457,503,531
Seq#:6; N Pos. 568,569,571
Seq#:7; N Pos. 1,2,3,4,11,25,27,29,33,34,38,40,46,91,238,240,408,413,438
Seq#:7; N Pos. 448,452,454,513,564,586
Seq#:8; N Pos. 7,8,19,27,49,52,55,57,79,81,193,212,236,240,378,379,407,415
Seq#:8; N Pos. 417,425,441,448,464,469,478,486,500,504,509,515,524,556,566
Seq#:8; N Pos. 592,595,613,633,638,641,647
Seq#:9; N Pos. 1,2,11,16,37,52,127,251,287,297,307,310,325,349,354,358,369
Seq#:9; N Pos. 395,397,413,426,441,452,465,466,468,469,471,479,489,491,498
Seq#:9; N Pos. 500,501,505,507,514,518,538,542,568,573,588,599,613,614,617
Seq#:9; N Pos. 618,626,653,654,655,656,659,673,680
Seq#:10; N Pos. 7,18,85,179,270,273,360,404,408,411,412,418,426,434,437,445
Seq#:10; N Pos. 447,448,449,450,451,452,453,454,455,456,457,458,459,460,461
Seq#:10; N Pos. 462,463,464,465,466,467,468,469,470,471,472,473,474,475,476
Seq#:10; N Pos. 477,478,479,480,481,482,483,484,485,486,487,488,489,490,491
Seq#:10; N Pos. 492,493,494,495,496,497,498,499,500,501,502,503,504,505,506
Seq#:10; N Pos. 507,508,509,510,511,512,513,514,515,516,517,518,519,520,521
Seq#:10; N Pos. 522,523,524,525,526,527,528,529,530,531,532,533,534,535,536
Seq#:10; N Pos. 537,538,539,540,541,542,543,544,545,546,547,548,549,550,551
Seq#:10; N Pos. 552,553,554,555,556,557,558,559,560,561,562,563,564,565,566
Seq#:10; N Pos. 567,568,569,570,571,572,573,574,575,576,577,578,579,580,581
Seq#:10; N Pos. 582,583,584,585,586,587,588,589,590,591,592,593,594,595,596
Seq#:10; N Pos. 597,598,599,600,601,602,603,604,605,606,607,608,609,610,611
Seq#:10; N Pos. 612
Seq#:13; N Pos. 6,10,12,15,104,377,410,414,421,437,472,483,502,526,550,556
Seq#:13; N Pos. 563,585,601
Seq#:14; N Pos. 2,11,19,371,376,402,449,453,454,464,475,485,486,494,496,497
Seq#:14; N Pos. 511,519,524,526,527,529,530,533,534,535,536,537,538,541,542
Seq#:14; N Pos. 548,549,551,552,554,556,557,560,561,565,566,567,568,569,570

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 07/19/2002
PATENT APPLICATION: US/09/155,708A TIME: 13:36:25

Input Set : A:\MUR-003.ST25.txt
Output Set: N:\CRF3\07192002\I155708A.raw

Seq#:14; N Pos. 572,574,576,577,578,581,582,583,584,585,587,588,592,593,594
Seq#:14; N Pos. 595,596,597,598,599,601,602,603,604,605,611,613,614,615,616
Seq#:14; N Pos. 618,622,623,625,626,627,628,631,633,634,635,636,637,638,640
Seq#:14; N Pos. 641,642,644,645,646,647,648,649,650,651,652,654,657,658,664
Seq#:14; N Pos. 665,666,667,669,670,671,672,673,674,675,677,679
Seq#:15; N Pos. 1,2,6,14,25,27,44,50,53,54,97,153,293,311,312,341,368,373
Seq#:15; N Pos. 400,430,433,436,439,446,456,469,474,475,479,480,487,494,496
Seq#:15; N Pos. 501,505,521,522,525,527,532,534,537,545,546,551,552,553,559
Seq#:15; N Pos. 584,586,590,595,604,609,626,630,633,635,637,644,645,646,647
Seq#:15; N Pos. 650,653,657,659,661,666,669,671,673,674,678
Seq#:16; N Pos. 1,4,7,15,25,33,34,41,122,153,251,308,311,346,366,416,459
Seq#:16; N Pos. 497,563,567,600,616,631,641,682,683,685,691,695,698,699,700
Seq#:16; N Pos. 701,702,703,704,705,706,707,708,709,710,711,712,713,714,715
Seq#:16; N Pos. 716,717,718,719,732,748,750,751,755,757,768,773,776,783,787
Seq#:16; N Pos. 792,795,802,803,804,805
Seq#:17; N Pos. 13,54,67,95,140,183,246,266,296,302,343,356,402,435,444,518
Seq#:17; N Pos. 538,541,548,554,560,565,589,590,598,611,613,623,627,628,629
Seq#:17; N Pos. 630,631,632,633,634,635,636,637,641,644,646,653,659,662,664
Seq#:17; N Pos. 667,683,686,688,700,720,741,742,754,758,760,762,763,768,777
Seq#:17; N Pos. 778,779,783,790
Seq#:18; N Pos. 1,7,8,12,15,20,34,35,44,46,74,301,327,361,366,386,459,473
Seq#:18; N Pos. 495,518,590,615,640,642,654,669